REMARKS

Some of the claims presented in the parent application had been rejected under 35 USC 102 as being anticipated by Coleman et al, US Patent 5,434,623, and others were rejected under 35 USC 103 as being obvious over Coleman in view of Yogeshware et al, US Patent 6,219,043. Since the present claims are directed substantially to the same subject matter, the following comments might be helpful to the Examiner's consideration of the present claims.

Coleman et al describe a coding arrangement where a video signal is divided into blocks, and each block is cosine transformed to develop coefficients (col. 2, lines 28-31). To reduce the generated data further, the coefficients are quantized, and the quantization is adaptively arranged to meet the capacity of the channel. In particular, *Coleman et al consider the information content of both the luminance and chrominance components for the same part of the image, taken together, and employ a joint quantizer whereby an image having low chrominance complexity allows the conveyance of more of the luminance information, and vice-versa* (col. 5, lines 10-10). More specifically, col. 12, lines 30-58, teaches that a relative complexity index is generated and used to quantize the coefficients of Y on the one hand, and the R-Y, B-Y coefficients on the other. In other words, the quantization function is not a non-linear (at least thee-segment piece-wise linear) of the input, p, but some other function that is related to the relative complexity of the luminance and chrominance values in the block.

As for the Yogeshware et al reference, there appears to be no motivation for including a chrominance scaling function or luminance scaling function that is piecewise linear because, according to the touted advance of the Coleman arrangement comes from controlling the luminance and chrominance scaling functions according to the relative complexity of the data. Thus, for example, controlling the chrominance scaling based on A (relative complexity) precludes controlling the chrominance scaling based on B (piece-wise linear).

Respectfully,
Barin Geoffry Haskell

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By _____

Henry T. Brendzel
Reg. No. 26,844
Phone (973) 467-2025
Fax (973) 467-6589
email brendzel@comcast.net